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NEWS 6 Apr 22 Records from IP.com available in CAPLUS, HCAPLUS, and  
ZCAPLUS  
NEWS 7 Apr 22 BIOSIS Gene Names now available in TOXCENTER  
NEWS 8 Apr 22 Federal Research in Progress (FEDRIP) now available  
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NEWS 11 Jun 10 PCTFULL has been reloaded  
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NEWS 15 Jul 30 NETFIRST to be removed from STN  
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NEWS 18 Aug 08 NTIS has been reloaded and enhanced  
NEWS 19 Aug 19 Aquatic Toxicity Information Retrieval (AQUIRE)  
now available on STN  
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NEWS 21 Aug 19 The MEDLINE file segment of TOXCENTER has been reloaded  
NEWS 22 Aug 26 Sequence searching in REGISTRY enhanced  
NEWS 23 Sep 03 JAPIO has been reloaded and enhanced  
NEWS 24 Sep 16 Experimental properties added to the REGISTRY file  
NEWS 25 Sep 16 Indexing added to some pre-1967 records in CA/CAPLUS  
NEWS 26 Sep 16 CA Section Thesaurus available in CAPLUS and CA  
NEWS 27 Oct 01 CASREACT Enriched with Reactions from 1907 to 1985  
NEWS 28 Oct 21 EVENTLINE has been reloaded  
NEWS 29 Oct 24 BEILSTEIN adds new search fields  
NEWS 30 Oct 24 Nutraceuticals International (NUTRACEUT) now available on  
STN  
NEWS 31 Oct 25 MEDLINE SDI run of October 8, 2002  
  
NEWS EXPRESS October 14 CURRENT WINDOWS VERSION IS V6.01,  
CURRENT MACINTOSH VERSION IS V6.0a(ENG) AND V6.0Ja(JP),  
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=> s jones, g?/au

L1 4738 JONES, G?/AU

=> s jones,s. g?/au

L2 14 JONES,S. G?/AU

=> d l2 1-14

L2 ANSWER 1 OF 14 CAPLUS COPYRIGHT 2002 ACS

AN 2000:726329 CAPLUS

DN 133:354217

TI The use of measurement programmes and models to assess concentrations  
next

to major roads in urban areas

AU Jones, S. G.; Fisher, B. E. A.; Gonzalez-Flesca, N.; Sokhi, R.

CS School of Earth and Environmental Sciences, University of Greenwich,

Chatham Kent, UK  
SO Environmental Monitoring and Assessment (2000), 64(2), 531-547  
CODEN: EMASDH; ISSN: 0167-6369  
PB Kluwer Academic Publishers  
DT Journal  
LA English  
RE.CNT 20 THERE ARE 20 CITED REFERENCES AVAILABLE FOR THIS RECORD  
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L2 ANSWER 2 OF 14 CAPLUS COPYRIGHT 2002 ACS  
AN 1999:621014 CAPLUS  
DN 131:355990  
TI Interleukin-1.beta. (IL-1.beta.) inhibition: a possible mechanism for the  
anti-inflammatory potency of liposomally conjugated methotrexate  
formulations in arthritis  
AU Williams, A. S.; Jones, S. G.; Goodfellow, R. M.; Amos, N.;  
Williams, B. D.  
CS Rheumatology Research Laboratory, University of Wales College of  
Medicine,  
Cardiff, CF4 4XN, UK  
SO British Journal of Pharmacology (1999), 128(1), 234-240  
CODEN: BJPCBM; ISSN: 0007-1188  
PB Stockton Press  
DT Journal  
LA English  
RE.CNT 41 THERE ARE 41 CITED REFERENCES AVAILABLE FOR THIS RECORD  
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L2 ANSWER 3 OF 14 CAPLUS COPYRIGHT 2002 ACS  
AN 1995:928989 CAPLUS  
DN 123:349280  
TI Deep water STD at the Misima Gold and Silver Mine, Papua, New Guinea  
AU Jones, S. G.; Ellis, D. V.  
CS NSR Environmental Consultants Pty, Ltd., Hawthorn, Australia  
SO Marine Georesources & Geotechnology (1995), 13(1-2), 183-200  
CODEN: MGGEI; ISSN: 1064-119X  
PB Taylor & Francis  
DT Journal  
LA English

L2 ANSWER 4 OF 14 CAPLUS COPYRIGHT 2002 ACS  
AN 1994:293043 CAPLUS  
DN 120:293043  
TI Singlet oxygen yields of furocoumarins and related molecules - the effect  
of excitation wavelength  
AU Jones, S. G.; Young, A. R.; Truscott, T. G.  
CS Chem. Dep., Keele Univ., Keele/Staffordshire, ST5 5BG, UK  
SO Journal of Photochemistry and Photobiology, B: Biology (1993), 21(2-3),  
223-7  
CODEN: JPPBEG; ISSN: 1011-1344  
DT Journal  
LA English

L2 ANSWER 5 OF 14 CAPLUS COPYRIGHT 2002 ACS  
AN 1988:59190 CAPLUS  
DN 108:59190  
TI Transport fuels from Roxburgh syncrude by continuous hydro-refining  
AU Jones, S. G.; Dawson, S. G. B.; Ford, B. A.; Grey, J. B.;  
Stewart, H. J. H.  
CS Ind. Process. Div., Dep. Sci. Ind. Res., Petone, N. Z.  
SO Rep. - N. Z., Dep. Sci. Ind. Res., Ind. Process. Div. (1987),

IPD/TSO/2026, 1-49  
 CODEN: RNZDD9; ISSN: 0110-9561  
 DT Report  
 LA English

L2 ANSWER 6 OF 14 CAPLUS COPYRIGHT 2002 ACS  
 AN 1986:611470 CAPLUS  
 DN 105:211470  
 TI The upgrading of Roxburgh lignite pyrolysis tar by continuous hydrotreating  
 AU **Jones, S. G.**; Dawson, S. G. B.; Ford, B. A.; Grey, J. B.; Stewart, H.  
 CS N. Z.  
 SO Rep. - N. Z., Dep. Sci. Ind. Res., Ind. Process. Div. (1986), IPD/TSO/2022, 67 pp.  
 CODEN: RNZDD9; ISSN: 0110-9561  
 DT Report  
 LA English

L2 ANSWER 7 OF 14 CAPLUS COPYRIGHT 2002 ACS  
 AN 1986:610838 CAPLUS  
 DN 105:210838  
 TI Design of IPD's continuous trickle-bed reactor system  
 AU **Jones, S. G.**; Babor, J.  
 CS Ind. Process. Div., Dep. Sci. Ind. Res., Petone, N. Z.  
 SO Rep. - N. Z., Dep. Sci. Ind. Res., Ind. Process. Div. (1985), IPD/ISO/1017, 38 pp.  
 CODEN: RNZDD9; ISSN: 0110-9561  
 DT Report  
 LA English

L2 ANSWER 8 OF 14 CAPLUS COPYRIGHT 2002 ACS  
 AN 1985:549810 CAPLUS  
 DN 103:149810  
 TI Simple technique for measuring attenuation of integrated optical waveguides  
 AU Nourshargh, N.; Starr, E. M.; Fox, N. I.; **Jones, S. G.**  
 CS GEC Hirst Res. Cent., GEC Res. Ltd., Wembley/Middx., HA9 7PP, UK  
 SO Electronics Letters (1985), 21(18), 818-20  
 CODEN: ELLEAK; ISSN: 0013-5194  
 DT Journal  
 LA English

L2 ANSWER 9 OF 14 CAPLUS COPYRIGHT 2002 ACS  
 AN 1985:48514 CAPLUS  
 DN 102:48514  
 TI Hydro-refining coal-derived liquids to transport fuels  
 AU **Jones, S. G.**; Grey, J. B.; Ford, B. A.  
 CS Ind. Process. Div., Dep. Sci. Ind. Res., Petone, N. Z.  
 SO Rep. - N. Z., Dep. Sci. Ind. Res., Ind. Process. Div. (1984), IPD/TSO/2020, 73 pp.  
 CODEN: RNZDD9  
 DT Report  
 LA English

L2 ANSWER 10 OF 14 CAPLUS COPYRIGHT 2002 ACS  
 AN 1984:475599 CAPLUS  
 DN 101:75599  
 TI Hydrotreatment of Roxburgh lignite pyrolysis tar  
 AU **Jones, S. G.**; Grey, J. B.; Ford, B. A.  
 CS Ind. Process. Div., Dep. Sci. Ind. Res., Petone, N. Z.

SO Rep. - N. Z., Dep. Sci. Ind. Res., Ind. Process. Div. (1984),  
IPD/TSO/2015, 102 pp.  
CODEN: RNZDD9

DT Report  
LA English

L2 ANSWER 11 OF 14 CAPLUS COPYRIGHT 2002 ACS  
AN 1979:605377 CAPLUS  
DN 91:205377  
TI The relative toxicity of four pesticides in tap water and water from  
flooded rice paddies  
AU Brown, K. W.; Anderson, D. C.; **Jones, S. G.**; Deuel, L. E.;  
Price, J. D.  
CS Dep. Soil Crop Sci., Texas A and M Univ., College Station, TX, USA  
SO Int. J. Environ. Stud. (1979), 14(1), 49-53  
CODEN: IJEVAW; ISSN: 0020-7233

DT Journal  
LA English

L2 ANSWER 12 OF 14 CAPLUS COPYRIGHT 2002 ACS  
AN 1979:476632 CAPLUS  
DN 91:76632  
TI Kinetic studies on the hydrocracking of coal extract  
AU Davies, Glyn Owen; Wyss, W. F.; **Jones, S. G.**  
CS Natl. Coal Board, Cheltenham, Engl.  
SO Comm. Eur. Communities, [Rep.] EUR (1978), Volume Date 1977, EUR 6075,  
Round Table Meet. Chem. Phys. Valorization Coal, 23-49  
CODEN: CECED9

DT Report  
LA English

L2 ANSWER 13 OF 14 CAPLUS COPYRIGHT 2002 ACS  
AN 1979:116092 CAPLUS  
DN 90:116092  
TI Influence of simulated rainfall on the retention of sludge heavy metals  
by  
the leaves of forage crops  
AU **Jones, S. G.**; Brown, K. W.; Deuel, L. E.; Donnelly, K. C.  
CS Texas Agric. Exp. Stn., College Station, Tex., USA  
SO J. Environ. Qual. (1979), 8(1), 69-72  
CODEN: JEVQAA; ISSN: 0047-2425

DT Journal  
LA English

L2 ANSWER 14 OF 14 CAPLUS COPYRIGHT 2002 ACS  
AN 1950:18005 CAPLUS  
DN 44:18005  
OREF 44:3581e  
TI Plant Pathology  
AU Butler, Edwin J.; **Jones, S. G.**  
SO (1950) Publisher: (The Macmillan Co., New York), 991 pp. \$10.  
DT Book  
LA Unavailable

=> s jackson, e?/au  
L3 717 JACKSON, E?/AU

=> s jackson,e. k?/au  
L4 18 JACKSON,E. K?/AU

=> d 14 1-18

L4 ANSWER 1 OF 18 CAPLUS COPYRIGHT 2002 ACS  
AN 2001:549919 CAPLUS  
DN 136:257102  
TI Assessment of 2-chloroadenosine treatment after experimental traumatic brain injury in the rat [by] using arterial spin-labeled MRI: A preliminary report  
AU Robertson, C. L.; Hendrich, K. S.; Kochanek, P. M.; **Jackson, E. K.**; Melick, J. A.; Graham, S. H.; Marion, D. W.; Williams, D. S.; Ho, C.  
CS Department of Anesthesiology and Critical Care Medicine, University of Pittsburgh, Pittsburgh, PA, USA  
SO Brain Edema XI, Proceedings of the International Symposium, 11th, Newcastle-upon-Tyne, United Kingdom, June 6-10, 1999 (2000), Meeting Date 1999, 187-189. Editor(s): Mendelow, A. David. Publisher: Springer-Verlag Wien, Wien, Austria.  
CODEN: 69BOY6  
DT Conference  
LA English  
RE.CNT 15 THERE ARE 15 CITED REFERENCES AVAILABLE FOR THIS RECORD  
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L4 ANSWER 2 OF 18 CAPLUS COPYRIGHT 2002 ACS  
AN 2001:318010 CAPLUS  
DN 135:578  
TI P1 and P2 receptors in the renal system  
AU **Jackson, E. K.**  
CS Center for Clinical Pharmacology, University of Pittsburgh Medical Center, Pittsburgh, PA, 15213-2582, USA  
SO Handbook of Experimental Pharmacology (2001), 151/II(Purinergic and Pyrimidinergic Signalling II), 33-71  
CODEN: HEPHD2; ISSN: 0171-2004  
PB Springer-Verlag  
DT Journal; General Review  
LA English  
RE.CNT 299 THERE ARE 299 CITED REFERENCES AVAILABLE FOR THIS RECORD  
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L4 ANSWER 3 OF 18 CAPLUS COPYRIGHT 2002 ACS  
AN 2000:809046 CAPLUS  
DN 134:336121  
TI Local and systemic effects of peritoneal lavage with high concentrations of adenosine in rats  
AU **Jackson, E. K.**; Swamy, R. S.; Herzer, W. A.; Mi, Z.  
CS Center for Clinical Pharmacology, Department of Pharmacology, University of Pittsburgh Medical Center, Pittsburgh, PA, 15213-2582, USA  
SO Alimentary Pharmacology and Therapeutics (2000), 14(10), 1371-1380  
CODEN: APTHEN; ISSN: 0269-2813  
PB Blackwell Science Ltd.  
DT Journal  
LA English  
RE.CNT 30 THERE ARE 30 CITED REFERENCES AVAILABLE FOR THIS RECORD  
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L4 ANSWER 4 OF 18 CAPLUS COPYRIGHT 2002 ACS  
AN 2000:142058 CAPLUS  
DN 133:118289  
TI Adenosine by aortic flush fails to augment the brain preservation effect of mild hypothermia during exsanguination cardiac arrest in dogs - an exploratory study

AU Woods, R. J.; Prueckner, S.; Safar, P.; Takasu, A.; Tisherman, S. A.;  
**Jackson, E. K.**; Radovsky, A.; Kochanek, P.; Behringer, W.;  
Stezoski, S. W.; Hans, R.  
CS Safar Center for Resuscitation Research and the Department of  
Anesthesiology/Critical Care Medicine, University of Pittsburgh School of  
Medicine, Pittsburgh, PA, USA  
SO Resuscitation (2000), 44(1), 47-59  
CODEN: RSUSBS; ISSN: 0300-9572  
PB Elsevier Science Ireland Ltd.  
DT Journal  
LA English  
RE.CNT 61 THERE ARE 61 CITED REFERENCES AVAILABLE FOR THIS RECORD  
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L4 ANSWER 5 OF 18 CAPLUS COPYRIGHT 2002 ACS  
AN 1998:532912 CAPLUS  
DN 129:300911  
TI The role of adenosine during the period of delayed cerebral swelling  
after

severe traumatic brain injury in humans  
AU Kochanek, P. M.; Clark, R. S. B.; Obrist, W. D.; Carcillo, J. A.;  
**Jackson, E. K.**; Mi, Z.; Wisniewski, S. R.; Bell, M. J.; Marion, D.  
W.  
CS Safar Center fur Resuscitation Research, Pittsburgh, PA, USA  
SO Brain Edema X, Proceedings of the International Symposium, 10th, San  
Diego, Oct. 20-23, 1996 (1997), Meeting Date 1996, 109-111. Editor(s):  
James, Hector E. Publisher: Springer, Wien, Austria.  
CODEN: 66OGA2  
DT Conference  
LA English

L4 ANSWER 6 OF 18 CAPLUS COPYRIGHT 2002 ACS  
AN 1990:152527 CAPLUS  
DN 112:152527  
TI Interaction between angiotensin II and adenosine in mediating the  
vasoconstrictor response to intrarenal hypertonic saline infusions in the  
dog  
AU Deray, G.; Sabra, R.; Herzer, W. A.; **Jackson, E. K.**; Branch, R.  
A.  
CS Div. Clin. Pharmacol., Vanderbilt Univ., Nashville, TN, 37232, USA  
SO Journal of Pharmacology and Experimental Therapeutics (1990), 252(2),  
631-5  
CODEN: JPETAB; ISSN: 0022-3565  
DT Journal  
LA English

L4 ANSWER 7 OF 18 CAPLUS COPYRIGHT 2002 ACS  
AN 1990:111542 CAPLUS  
DN 112:111542  
TI The effect of halothane on morphine disposition: relative contributions  
of the liver and kidney to morphine glucuronidation in the dog  
AU Merrell, W. J.; Gordon, L.; Wood, A. J. J.; Shay, S.; **Jackson, E.**  
**K.**; Wood, M.  
CS Sch. Med., Vanderbilt Univ., Nashville, TN, 37232, USA  
SO Anesthesiology (1990), 72(2), 308-14  
CODEN: ANESAV; ISSN: 0003-3022  
DT Journal  
LA English

L4 ANSWER 8 OF 18 CAPLUS COPYRIGHT 2002 ACS  
AN 1989:190114 CAPLUS

DN 110:190114  
 TI Inhibition of renal vasoconstriction induced by intrarenal hypertonic saline by the nonxanthine adenosine antagonist CGS 15943A  
 AU Callis, J. T.; Kuan, C. J.; Branch, K. R.; Abels, B. C.; Sabra, R.; **Jackson, E. K.**; Branch, R. A.  
 CS Dep. Surg., Vanderbilt Univ., Nashville, TN, 37232, USA  
 SO Journal of Pharmacology and Experimental Therapeutics (1989), 248(3), 1123-9  
 CODEN: JPETAB; ISSN: 0022-3565  
 DT Journal  
 LA English

L4 ANSWER 9 OF 18 CAPLUS COPYRIGHT 2002 ACS  
 AN 1988:467483 CAPLUS  
 DN 109:67483  
 TI Role of endogenous adenosine as a modulator of the renin response to salt restriction  
 AU Kuan, C. J.; Wells, J. N.; **Jackson, E. K.**  
 CS Sch. Med., Vanderbilt Univ., Nashville, TN, USA  
 SO Nephrologie (1987), 8(6), 283-6  
 CODEN: NEPHDY; ISSN: 0250-4960  
 DT Journal  
 LA English

L4 ANSWER 10 OF 18 CAPLUS COPYRIGHT 2002 ACS  
 AN 1988:466348 CAPLUS  
 DN 109:66348  
 TI Brain uptake of benzodiazepines: effects of lipophilicity and plasma protein binding  
 AU Jones, D. R.; Hall, S. D.; **Jackson, E. K.**; Branch, R. A.; Wilkinson, G. R.  
 CS Dep. Pharmacol., Vanderbilt Univ., Nashville, TN, 37232, USA  
 SO Journal of Pharmacology and Experimental Therapeutics (1988), 245(3), 816-22  
 CODEN: JPETAB; ISSN: 0022-3565  
 DT Journal  
 LA English

L4 ANSWER 11 OF 18 CAPLUS COPYRIGHT 2002 ACS  
 AN 1988:88496 CAPLUS  
 DN 108:88496  
 TI Effect of cyclooxygenase and thromboxane synthase inhibition on the response to angiotensin II in the hypoperfused canine kidney  
 AU Goto, F.; **Jackson, E. K.**; Ohnishi, A.; Herzer, W.; Branch, R. A.  
 CS Sch. Med., Vanderbilt Univ., Nashville, TN, 37232, USA  
 SO Journal of Pharmacology and Experimental Therapeutics (1987), 243(3), 799-803  
 CODEN: JPETAB; ISSN: 0022-3565  
 DT Journal  
 LA English

L4 ANSWER 12 OF 18 CAPLUS COPYRIGHT 2002 ACS  
 AN 1987:400019 CAPLUS  
 DN 107:19  
 TI Plasma binding and brain uptake of benzodiazepines  
 AU Jones, D. R.; Hall, S. D.; Branch, R. A.; **Jackson, E. K.**; Wilkinson, G. R.  
 CS Sch. Med., Vanderbilt Univ., Nashville, TN, 37232, USA  
 SO Symposia Medica Hoechst (1986), Volume Date 1985, 20(Protein Binding Drug Transp.), 311-24  
 CODEN: SMHODO; ISSN: 0341-6321



DT Journal; General Review  
LA English

L4 ANSWER 13 OF 18 CAPLUS COPYRIGHT 2002 ACS  
AN 1985:418026 CAPLUS  
DN 103:18026  
TI Attenuation of cisplatin-induced nephrotoxicity in the rat by high salt diet, furosemide and acetazolamide  
AU Heidemann, H. T.; Gerken, J. F.; **Jackson, E. K.**; Branch, R. A.  
CS Div. Clin. Pharmacol., Vanderbilt Univ., Nashville, TN, 37232, USA  
SO Naunyn-Schmiedeberg's Archives of Pharmacology (1985), 329(2), 201-5  
CODEN: NSAPCC; ISSN: 0028-1298  
DT Journal  
LA English

L4 ANSWER 14 OF 18 CAPLUS COPYRIGHT 2002 ACS  
AN 1983:401013 CAPLUS  
DN 99:1013  
TI Quantitative aspects of prostacyclin metabolism in humans  
AU Brash, A. R.; **Jackson, E. K.**; Lawson, J. A.; Branch, R. A.;  
Oates, J. A.; FitzGerald, G. A.  
CS Dep. Pharmacol., Vanderbilt Univ., Nashville, TN, 37232, USA  
SO Adv. Prostaglandin, Thromboxane, Leukotriene Res. (1983), 11, 119-22  
CODEN: ATLRD6; ISSN: 0732-8141  
DT Journal  
LA English

L4 ANSWER 15 OF 18 CAPLUS COPYRIGHT 2002 ACS  
AN 1981:11005 CAPLUS  
DN 94:11005  
TI Inhibition of hydralazine-induced renin release by indomethacin in the rat  
AU Campbell, W. B.; Graham, R. M.; **Jackson, E. K.**  
CS Dep. Pharmacol., Univ. Texas Health Sci. Cent., Dallas, TX, 75235, USA  
SO Arch. Int. Pharmacodyn. Ther. (1980), 246(2), 315-23  
CODEN: AIPTAK; ISSN: 0003-9780  
DT Journal  
LA English

L4 ANSWER 16 OF 18 CAPLUS COPYRIGHT 2002 ACS  
AN 1972:416622 CAPLUS  
DN 77:16622  
TI Biological nitrogen fixation. Key to world protein  
AU Hardy, R. W. F.; Burns, R. C.; Hebert, R. R.; Holsten, R. D.;  
**Jackson, E. K.**  
CS Cent. Res. Dep. Exp. Stn., E. I. du Pont de Nemours and Co., Wilmington, Del., USA  
SO Plant Soil (1971), Spec. Vol., 561-90  
CODEN: PLSOA2  
DT Journal  
LA English

L4 ANSWER 17 OF 18 CAPLUS COPYRIGHT 2002 ACS  
AN 1968:474432 CAPLUS  
DN 69:74432  
TI The acetylene-ethylene assay for nitrogen fixation: laboratory and field evaluation  
AU Hardy, R. W. F.; Holsten, R. D.; **Jackson, E. K.**; Burns, R. C.  
CS Cent. Res. Dep., E. I. du Pont de Nemours and Co., Wilmington, Del., USA  
SO Plant Physiol. (1968), 43(8), 1185-1207  
CODEN: PLPHAY

DT Journal  
LA English

L4 ANSWER 18 OF 18 CAPLUS COPYRIGHT 2002 ACS  
AN 1968:474151 CAPLUS  
DN 69:74151  
TI Hydrogen reactions of nitrogenase. Formation of the molecule HD  
[hydrogen  
deuterium] by nitrogenase and by an inorganic model  
AU Jackson, E. K.; Parshall, G. W.; Hardy, R. W. F.  
CS Cent. Res. Dep., E. I. du Pont de Nemours and Co. Inc., Wilmington, DE,  
USA  
SO J. Biol. Chem. (1968), 243(19), 4952-8  
CODEN: JBCHA3  
DT Journal  
LA English

=> s jones,g. s?/au  
L5 25 JONES,G. S?/AU

=> d l5 1-25

L5 ANSWER 1 OF 25 CAPLUS COPYRIGHT 2002 ACS  
AN 2001:82942 CAPLUS  
DN 134:197280  
TI Anthropogenic and natural causes of twentieth century temperature change  
AU Stott, P. A.; Tett, S. F. B.; Jones, G. S.; Allen, M. R.;  
Ingram, W. J.; Mitchell, J. F. B.  
CS Hadley Centre for Climate Prediction and Research, Bracknell, RG12 2SY,  
UK  
SO Space Science Reviews (2000), 94(1-2), 337-344  
CODEN: SPSRA4; ISSN: 0038-6308  
PB Kluwer Academic Publishers  
DT Journal  
LA English  
RE.CNT 13 THERE ARE 13 CITED REFERENCES AVAILABLE FOR THIS RECORD  
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L5 ANSWER 2 OF 25 CAPLUS COPYRIGHT 2002 ACS  
AN 2000:908122 CAPLUS  
TI External control of 20th century temperature by natural and anthropogenic  
forcings  
AU Stott, Peter A.; Tett, S. F. B.; Jones, G. S.; Allen, M. R.;  
Mitchell, J. F. B.; Jenkins, G. J.  
CS Met Office, Hadley Centre for Climate Prediction and Research, Bracknell,  
Berkshire, RG12 2SY, UK  
SO Science (Washington, D. C.) (2000), 290(5499), 2133-2137  
CODEN: SCIEAS; ISSN: 0036-8075  
PB American Association for the Advancement of Science  
DT Journal  
LA English  
RE.CNT 35 THERE ARE 35 CITED REFERENCES AVAILABLE FOR THIS RECORD  
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L5 ANSWER 3 OF 25 CAPLUS COPYRIGHT 2002 ACS  
AN 2000:685035 CAPLUS  
TI Autistic spectrum disorder: diagnostic difficulties  
AU Jones, G. S.  
CS Woodlands Hospital, Aberdeen, AB15 9PR, UK  
SO Prostaglandins, Leukotrienes Essent. Fatty Acids (2000), 63(1/2), 33-36

CODEN: PLEAEU; ISSN: 0952-3278

8

PB Churchill Livingstone

DT Journal

LA English

RE.CNT 19 THERE ARE 19 CITED REFERENCES AVAILABLE FOR THIS RECORD  
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L5 ANSWER 4 OF 25 CAPLUS COPYRIGHT 2002 ACS

AN 1999:617477 CAPLUS

TI Synthesis and evaluation of novel bifunctional probes for the nicotinic receptor (nNACHR).

AU Moaddel, R.; Hanson, R. N.; Loring, R. H.; Jones, G. S., Jr.

CS Department of Pharmaceutical Sciences, Northeastern University, Boston, MA, 02115, USA

SO Book of Abstracts, 218th ACS National Meeting, New Orleans, Aug. 22-26 (1999), MEDI-105 Publisher: American Chemical Society, Washington, D. C. CODEN: 67ZJA5

DT Conference; Meeting Abstract

LA English

L5 ANSWER 5 OF 25 CAPLUS COPYRIGHT 2002 ACS

AN 1999:334628 CAPLUS

DN 131:153814

TI Novel Biotinylated Phenylarsonous Acids as Bifunctional Reagents for Spatially Close Thiols: Studies on Reduced Antibodies and the Agonist Binding Site of Reduced Torpedo Nicotinic Receptors

AU Moaddel, R.; Sharma, A.; Huseni, T.; Jones, G. S., Jr.; Hanson, R. N.; Loring, R. H.

CS Department of Pharmaceutical Sciences, Northeastern University, Boston, MA, 02115, USA

SO Bioconjugate Chemistry (1999), 10(4), 629-637  
CODEN: BCCHES; ISSN: 1043-1802

PB American Chemical Society

DT Journal

LA English

RE.CNT 37 THERE ARE 37 CITED REFERENCES AVAILABLE FOR THIS RECORD  
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L5 ANSWER 6 OF 25 CAPLUS COPYRIGHT 2002 ACS

AN 1999:78080 CAPLUS

DN 130:228305

TI The formation of diethyl ether via the reaction of iodoethane with atomic oxygen on the Ag(110) surface

AU Jones, G. Scott; Barteau, Mark A.; Vohs, John M.

CS Department of Chemical Engineering, Center for Catalytic Science and Technology, University of Delaware, Newark, DE, 19716, USA

SO Surface Science (1999), 420(1), 65-80  
CODEN: SUSCAS; ISSN: 0039-6028

PB Elsevier Science B.V.

DT Journal

LA English

RE.CNT 50 THERE ARE 50 CITED REFERENCES AVAILABLE FOR THIS RECORD  
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L5 ANSWER 7 OF 25 CAPLUS COPYRIGHT 2002 ACS

AN 1999:59509 CAPLUS

DN 130:222922

TI Mechanism of Diethyl Ether Formation on Ag(110) and Its Dependence on Coadsorbed Oxygen Species

AU Jones, G. Scott; Barteau, Mark A.; Vohs, John M.

CS Center for Catalytic Science and Technology Department of Chemical

Engineering, University of Delaware, Newark, DE, 19716, USA  
SO Journal of Physical Chemistry B (1999), 103(7), 1144-1151  
CODEN: JPCBFK; ISSN: 1089-5647  
PB American Chemical Society  
DT Journal  
LA English  
RE.CNT 70 THERE ARE 70 CITED REFERENCES AVAILABLE FOR THIS RECORD  
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L5 ANSWER 8 OF 25 CAPLUS COPYRIGHT 2002 ACS  
AN 1998:178955 CAPLUS  
DN 128:257149  
TI First Synthesis, Experimental and Theoretical Vibrational Spectra of an  
Oxametallacycle on a Metal Surface  
AU Jones, G. Scott; Mavrikakis, Manos; Barteau, Mark A.; Vohs, John  
M.  
CS Center for Catalytic Science and Technology Department of Chemical  
Engineering, University of Delaware, Newark, DE, 19716, USA  
SO Journal of the American Chemical Society (1998), 120(13), 3196-3204  
CODEN: JACSAT; ISSN: 0002-7863  
PB American Chemical Society  
DT Journal  
LA English

L5 ANSWER 9 OF 25 CAPLUS COPYRIGHT 2002 ACS  
AN 1997:412017 CAPLUS  
DN 127:56389  
TI Cyclization and related reactions of iodoethanol on Ag(110)  
AU Jones, G. Scott; Barteau, Mark A.  
CS Department Chemical Engineering, Center Catalytic Science Technology,  
University Delaware, Newark, DE, 19716, USA  
SO Journal of Vacuum Science & Technology, A: Vacuum, Surfaces, and Films  
(1997), 15(3, Pt. 2), 1667-1673  
CODEN: JVTAD6; ISSN: 0734-2101  
PB American Institute of Physics  
DT Journal  
LA English

L5 ANSWER 10 OF 25 CAPLUS COPYRIGHT 2002 ACS  
AN 1996:673291 CAPLUS  
DN 126:3882  
TI 7,10-Bis(2-mercapto-2-methyl)propyl-7,10-diazapalmitic acid: a novel,  
N2S2  
ligand for technetium-99m  
AU Jones, G. S., Jr.; Elmaleh, D. R.; Strauss, H. W.; Fischman, A.  
J.  
CS Dep. Radiology, Massachusetts General Hospital, Boston, MA, 02114, USA  
SO Bioorganic & Medicinal Chemistry Letters (1996), 6(20), 2399-2404  
CODEN: BMCLE8; ISSN: 0960-894X  
PB Elsevier  
DT Journal  
LA English

L5 ANSWER 11 OF 25 CAPLUS COPYRIGHT 2002 ACS  
AN 1996:463488 CAPLUS  
TI Results of the first coincident observations by two laser-interferometric  
gravitational wave detectors  
AU Nicholson, D.; Dickson, C. A.; Watkins, W. J.; Schutz, B. F.;  
Shuttleworth, J.; Jones, G. S.; Robertson, D. I.; Mackenzie, N.  
L.; Strain, K. A.; et al.  
CS Department of Physics and Astronomy, University of Wales College of

Cardiff, Cardiff, UK  
SO Phys. Lett. A (1996), 218(3-6), 175-180  
CODEN: PYLAAG; ISSN: 0375-9601  
DT Journal  
LA English

L5 ANSWER 12 OF 25 CAPLUS COPYRIGHT 2002 ACS  
AN 1995:850791 CAPLUS  
DN 123:247106  
TI Activation of the hypothalamo-anterior pituitary corticotropin-releasing hormone, adrenocorticotropin hormone and .beta.-endorphin systems during the estradiol 17.beta.-induced plasma LH surge in the ovariectomized monkey  
AU Kerdelhue, B.; **Jones, G. S.**; Gordon, K.; Seltman, H.; Lenoir, V.; Parsadaniantz, S. Melik; Williams, R. F.; Hodgen, G. D.  
CS Lab. Neurobiol. Reproduction, CNRS, Jouy-en-Josas, Fr.  
SO Journal of Neuroscience Research (1995), 42(2), 228-35  
CODEN: JNREDK; ISSN: 0360-4012  
PB Wiley-Liss  
DT Journal  
LA English

L5 ANSWER 13 OF 25 CAPLUS COPYRIGHT 2002 ACS  
AN 1995:291308 CAPLUS  
DN 122:89313  
TI Torsional properties of healed canine diaphyseal defects grafted with a fibrillar collagen and hydroxyapatite/tricalcium phosphate composite  
AU Zardiackas, Lyle D.; Teasdall, Robert D.; Black, R. John; **Jones, G. Scott**; John, Kenneth R.; Dillon, Lance D.; Hughes, James L.  
CS Biomaterials and Orthopaedic Research, University Mississippi Medical Center, Jackson, MS, USA  
SO Journal of Applied Biomaterials (1994), 5(4), 277-83  
CODEN: JABIEW; ISSN: 1045-4861  
PB Wiley  
DT Journal  
LA English

L5 ANSWER 14 OF 25 CAPLUS COPYRIGHT 2002 ACS  
AN 1991:146890 CAPLUS  
DN 114:146890  
TI Statistical optimization of ternary mixed ether electrolytes for rechargeable lithium batteries  
AU Makrides, A. C.; Nguyen, Trung H.; Hurd, R. J.; **Jones, G. S.**  
CS EIC Lab., Inc., Norwood, MA, 02062, USA  
SO Proceedings - Electrochemical Society (1991), 91-3(Proc. Symp. Primary Second. Lithium Batteries, 1990), 302-10  
CODEN: PESODO; ISSN: 0161-6374  
DT Journal  
LA English

L5 ANSWER 15 OF 25 CAPLUS COPYRIGHT 2002 ACS  
AN 1991:146883 CAPLUS  
DN 114:146883  
TI Superhigh energy density lithium bromine trifluoride battery  
AU Holleck, G. L.; **Jones, G. S.**  
CS EIC Lab., Inc., Norwood, MA, 02062, USA  
SO Proceedings - Electrochemical Society (1991), 91-3(Proc. Symp. Primary Second. Lithium Batteries, 1990), 51-61  
CODEN: PESODO; ISSN: 0161-6374  
DT Journal  
LA English

L5 ANSWER 16 OF 25 CAPLUS COPYRIGHT 2002 ACS  
 AN 1983:563428 CAPLUS  
 DN 99:163428  
 TI Tailings treatment, liquid and solids recovery  
 AU **Jones, G. S.**  
 CS Min. Res. Dev. Establ., Natl. Coal Board, Burton-on-Trent/Staffordshire,  
 DE15 0QD, UK  
 SO Mine Quarry (1983), 12(7-8), 35-8  
 CODEN: MQRAT; ISSN: 0369-1632  
 DT Journal; General Review  
 LA English

L5 ANSWER 17 OF 25 CAPLUS COPYRIGHT 2002 ACS  
 AN 1983:468137 CAPLUS  
 DN 99:68137  
 TI Transmembrane potential of isolated rat alveolar type II cells  
 AU Castranova, V.; **Jones, G. S.**; Miles, P. R.  
 CS Appalachian Lab. Occup. Saf. Health, Natl. Inst. Occup. Saf. Health,  
 Morgantown, WV, 26505, USA  
 SO J. Appl. Physiol.: Respir., Environ. Exercise Physiol. (1983), 54(6),  
 1511-17  
 CODEN: JARPD; ISSN: 0161-7567  
 DT Journal  
 LA English

L5 ANSWER 18 OF 25 CAPLUS COPYRIGHT 2002 ACS  
 AN 1982:470264 CAPLUS  
 DN 97:70264  
 TI Hypogonadotropism - an overview, 1980  
 AU **Jones, G. S.**  
 CS Dep. Obstet. Gynecol., East. Virginia Med. Sch., Norfolk, VA, USA  
 SO Proc. Sero Sym. (1982), 42(Gonadotropins: Basic Sci. Clin. Aspects  
 Females), 225-31  
 CODEN: PSSYD; ISSN: 0308-5503  
 DT Journal; General Review  
 LA English

L5 ANSWER 19 OF 25 CAPLUS COPYRIGHT 2002 ACS  
 AN 1982:453065 CAPLUS  
 DN 97:53065  
 TI Ionic content and regulation of cellular volume in rat alveolar type II  
 cells  
 AU **Jones, G. S.**; Miles, P. R.; Lantz, R. C.; Hinton, D. E.;  
 Castranova, V.  
 CS Appalachian Lab. Occup. Saf. Health, Morgantown, WV, 26504, USA  
 SO J. Appl. Physiol.: Respir., Environ. Exercise Physiol. (1982), 53(1),  
 258-66  
 CODEN: JARPD; ISSN: 0161-7567  
 DT Journal  
 LA English

L5 ANSWER 20 OF 25 CAPLUS COPYRIGHT 2002 ACS  
 AN 1982:418605 CAPLUS  
 DN 97:18605  
 TI Effects of metallic ions on oxygen consumption in isolated rabbit type II  
 pneumocytes  
 AU **Jones, G. S.**; Miles, P. R.; Lantz, R. C.; Hinton, D. E.; Shreve,  
 J. M.; Castranova, V.  
 CS Dep. Physiol., West Virginia Univ., Morgantown, WV, USA  
 SO DOE Symp. Ser. (1981), 54(Coal Convers. Environ.), 352-65

CODEN: DOESD6; ISSN: 0164-2022

DT Journal  
LA English

L5 ANSWER 21 OF 25 CAPLUS COPYRIGHT 2002 ACS  
AN 1981:190125 CAPLUS  
DN 94:190125  
TI Transmembrane potential changes associated with superoxide release from human granulocytes  
AU **Jones, G. S.**; VanDyke, K.; Castranova, V.  
CS Appalachian Lab. Occup. Saf. Health, Natl. Inst. Occup. Saf. Health, Morgantown, WV, 26505, USA  
SO J. Cell. Physiol. (1981), 106(1), 75-83  
CODEN: JCLLAX; ISSN: 0021-9541  
DT Journal  
LA English

L5 ANSWER 22 OF 25 CAPLUS COPYRIGHT 2002 ACS  
AN 1981:12463 CAPLUS  
DN 94:12463  
TI Purification of human granulocytes by centrifugal elutriation and measurement of transmembrane potential  
AU **Jones, G. S.**; Van Dyke, K.; Castranova, V.  
CS Med. Cent., West Virginia Univ., Morgantown, WV, 26506, USA  
SO J. Cell. Physiol. (1980), 104(3), 425-31  
CODEN: JCLLAX; ISSN: 0021-9541  
DT Journal  
LA English

L5 ANSWER 23 OF 25 CAPLUS COPYRIGHT 2002 ACS  
AN 1978:573395 CAPLUS  
DN 89:173395  
TI Phosphorus-nitrogen compounds. 22. Synthesis and antitumor activity of arylsulfonylhydrazones  
AU Cates, L. A.; Good, D. J.; **Jones, G. S.**; Lemke, T. L.  
CS Coll. Pharm., Univ. Houston, Houston, Tex., USA  
SO J. Med. Chem. (1978), 21(11), 1093-100  
CODEN: JMCMAR; ISSN: 0022-2623  
DT Journal  
LA English

L5 ANSWER 24 OF 25 CAPLUS COPYRIGHT 2002 ACS  
AN 1971:527629 CAPLUS  
DN 75:127629  
TI Patterns of insulin, growth hormone, and placental lactogen release after protein and glucose-protein ingestion in pregnancy  
AU Tyson, J. E.; **Jones, G. S.**; Huth, J.; Thomas, P.  
CS Sch. Med., Johns Hopkins Univ., Baltimore, MD, USA  
SO Amer. J. Obstet. Gynecol. (1971), 110(7), 934-42  
CODEN: AJOGAH  
DT Journal  
LA English

L5 ANSWER 25 OF 25 CAPLUS COPYRIGHT 2002 ACS  
AN 1971:49050 CAPLUS  
DN 74:49050  
TI Apparatus for electrolytically treating a metal workpiece  
IN Barkman, Erik F.; Coates, Harold J.; **Jones, G. Sanford**  
PA Reynolds Metals Co.  
SO Brit., 9 pp.  
CODEN: BRXXAA

DT Patent  
LA English  
FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
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PI	GB 1212873		19701118		
PRAI	US		19670314		

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NEWS 3 Apr 09 BEILSTEIN: Reload and Implementation of a New Subject Area  
NEWS 4 Apr 09 ZDB will be removed from STN  
NEWS 5 Apr 19 US Patent Applications available in IFICDB, IFIPAT, and  
IFIUDB  
NEWS 6 Apr 22 Records from IP.com available in CAPLUS, HCAPLUS, and  
ZCAPLUS  
NEWS 7 Apr 22 BIOSIS Gene Names now available in TOXCENTER  
NEWS 8 Apr 22 Federal Research in Progress (FEDRIP) now available  
NEWS 9 Jun 03 New e-mail delivery for search results now available  
NEWS 10 Jun 10 MEDLINE Reload  
NEWS 11 Jun 10 PCTFULL has been reloaded  
NEWS 12 Jul 02 FOREGE no longer contains STANDARDS file segment  
NEWS 13 Jul 22 USAN to be reloaded July 28, 2002;  
saved answer sets no longer valid  
NEWS 14 Jul 29 Enhanced polymer searching in REGISTRY  
NEWS 15 Jul 30 NETFIRST to be removed from STN  
NEWS 16 Aug 08 CANCERLIT reload  
NEWS 17 Aug 08 PHARMAMarketLetter(PHARMAML) - new on STN  
NEWS 18 Aug 08 NTIS has been reloaded and enhanced  
NEWS 19 Aug 19 Aquatic Toxicity Information Retrieval (AQUIRE)  
now available on STN  
NEWS 20 Aug 19 IFIPAT, IFICDB, and IFIUDB have been reloaded  
NEWS 21 Aug 19 The MEDLINE file segment of TOXCENTER has been reloaded  
NEWS 22 Aug 26 Sequence searching in REGISTRY enhanced  
NEWS 23 Sep 03 JAPIO has been reloaded and enhanced  
NEWS 24 Sep 16 Experimental properties added to the REGISTRY file  
NEWS 25 Sep 16 Indexing added to some pre-1967 records in CA/CAPLUS  
NEWS 26 Sep 16 CA Section Thesaurus available in CAPLUS and CA  
NEWS 27 Oct 01 CASREACT Enriched with Reactions from 1907 to 1985  
NEWS 28 Oct 21 EVENTLINE has been reloaded  
NEWS 29 Oct 24 BEILSTEIN adds new search fields  
NEWS 30 Oct 24 Nutraceuticals International (NUTRACEUT) now available on  
STN  
NEWS 31 Oct 25 MEDLINE SDI run of October 8, 2002  
  
NEWS EXPRESS October 14 CURRENT WINDOWS VERSION IS V6.01,  
CURRENT MACINTOSH VERSION IS V6.0a(ENG) AND V6.0Ja(JP),  
AND CURRENT DISCOVER FILE IS DATED 01 OCTOBER 2002  
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=> s adenosine and cyclic or ketals?

76338 ADENOSINE

661 ADENOSINES

76488 ADENOSINE

(ADENOSINE OR ADENOSINES)

253165 CYCLIC

300 CYCLICS

253285 CYCLIC

(CYCLIC OR CYCLICS)

3592 KETALS?

L1 14979 ADENOSINE AND CYCLIC OR KETALS?

=> s adenosine?

L2 82933 ADENOSINE?

=> s l2 and ribose(w)cyclic?

21337 RIBOSE  
146 RIBOSES  
21400 RIBOSE  
(RIBOSE OR RIBOSES)  
258825 CYCLIC?  
66 RIBOSE(W) CYCLIC?  
L3 6 L2 AND RIBOSE(W) CYCLIC?

=> d l3 abs ibib 1-6

L3 ANSWER 1 OF 6 CAPLUS COPYRIGHT 2002 ACS

AB The cell egg is in a state of quiescence and only after its fusion with the sperm, a series of pre-programmed metabolic processes will be activated, culminating with embryonic development. The egg/sperm fusion induces a transitory increase of Ca<sup>2+</sup> in the cytoplasm, which is responsible for the activation of both precocious and late reactions.

The

release of Ca<sup>2+</sup> occurs by stimulation of the ionic specific channels. In addn. of IP<sub>3</sub>, a new Ca-release inducer was recently evidenced, cyclic ADP ribose (cADPR), in some invertebrates and mammals. Here, the authors report the first evidence of the cADPR presence in fish. The authors' data also demonstrate that in the sea bream egg, cADPR is involved in the fertilization process; in fact, its level increases after the entrance of the sperm. By in vitro expts., it was shown that cADPR induces a release of Ca<sup>2+</sup> in the egg homogenate, indicating that in sea bream, the increase of cADPR can induce an intracellular Ca<sup>2+</sup> release. Since cADPR is a product of NAD<sup>+</sup> metab., the activity of several enzymes involved in the NAD<sup>+</sup> metab. was investigated. Sea bream eggs are pelagic and only floating eggs after insemination develop into viable embryos. In the present work, NAD<sup>+</sup> metab. was studied in both types of egg. All the tested enzymes showed similar specific activity in both floating and sinking eggs. In the latter, cADPR was not detectable and the

nucleotides

content was significantly lower, evidencing a scarce energetic charge in sinking eggs.

ACCESSION NUMBER: 2002:52515 CAPLUS  
DOCUMENT NUMBER: 136:213922  
TITLE: Cyclic ADPR and calcium signaling in sea bream  
(Sparus  
aurata) egg fertilization  
AUTHOR(S): Polzonetti, Valeria; Cardinali, Marco; Mosconi,  
Gilberto; Natalini, Paolo; Meiri, Iris; Carnevali,  
Olina  
CORPORATE SOURCE: Dipartimento di Scienze Morfologiche e Biochimiche  
Comparate, Universita di Camerino, Camerino, Italy  
SOURCE: Molecular Reproduction and Development (2002), 61(2),  
213-217  
CODEN: MREDEE; ISSN: 1040-452X  
PUBLISHER: Wiley-Liss, Inc.  
DOCUMENT TYPE: Journal  
LANGUAGE: English  
REFERENCE COUNT: 28 THERE ARE 28 CITED REFERENCES AVAILABLE FOR  
THIS

RECORD. ALL CITATIONS AVAILABLE IN THE RE

FORMAT

L3 ANSWER 2 OF 6 CAPLUS COPYRIGHT 2002 ACS

AB For the identification of yeast genes specifying biochem. activities, a genomic strategy that is rapid, sensitive, and widely applicable was developed with an array of 6144 individual yeast strains, each contg. a different yeast open reading frame (ORF) fused to glutathione

S-transferase (GST). For the identification of ORF-assocd. activities, strains were grown in defined pools, and GST-ORFs were purified. Then, pools were assayed for activities, and active pools were deconvoluted to identify the source strains. Three previously unknown ORF-assocd. activities were identified with this strategy: a cyclic phosphodiesterase that acts on ADP-ribose 1"-2" cyclic phosphate (Appr>p), an Appr-1"-p-processing activity, and a cytochrome c methyltransferase.

ACCESSION NUMBER: 1999:726801 CAPLUS  
DOCUMENT NUMBER: 132:59744  
TITLE: A biochemical genomics approach for identifying genes by the activity of their products  
AUTHOR(S): Martzen, Mark R.; McCraith, Stephen M.; Spinelli, Sherry L.; Torres, Franci M.; Fields, Stanley; Grayhack, Elizabeth J.; Phizicky, Eric M.  
CORPORATE SOURCE: Department of Biochemistry and Biophysics, University of Rochester School of Medicine, Rochester, NY, 14642, USA  
SOURCE: Science (Washington, D. C.) (1999), 286(5442), 1153-1155  
CODEN: SCIEAS; ISSN: 0036-8075  
PUBLISHER: American Association for the Advancement of Science  
DOCUMENT TYPE: Journal  
LANGUAGE: English  
REFERENCE COUNT: 20 THERE ARE 20 CITED REFERENCES AVAILABLE FOR THIS  
RECORD. ALL CITATIONS AVAILABLE IN THE RE  
FORMAT

L3 ANSWER 3 OF 6 CAPLUS COPYRIGHT 2002 ACS  
GI

\* STRUCTURE DIAGRAM TOO LARGE FOR DISPLAY - AVAILABLE VIA OFFLINE PRINT \*

AB The title analogs (I; .gtoreq.1 of X3, X7 = CR, any remaining X3, X7 = N; Y = halo, C1-20 hydrocarbyl, NR2, OR, SR, NO2, carboxyl; R = H, C1-20 hydrocarbyl; R groups can be the same or different; Z = H; 1 Z can be a caging group), hydrolysis-resistant antagonists of cADPR-induced Ca2+ release, are claimed. Also claimed is compd. II and a method of

screening

for a compd. which binds to a cADPR receptor. Thus, bromination of tubercidin gave 57% 7-deaza-8-bromoadenosine which was phosphorylated (44%), coupled with NMN (27.7%) and cyclized with ADP-ribosyl cyclase to give II in 31% yield. II has been shown to be a stable, hydrolysis-resistant cADPR antagonist, useful as a tool for

investigations

of (cADPR)-mediated Ca2+ signalling in intact cells.

ACCESSION NUMBER: 1998:684854 CAPLUS  
DOCUMENT NUMBER: 129:276237  
TITLE: Preparation of cyclic adenosine diphosphate ribose (cADPR) analogs  
INVENTOR(S): Galione, Antony; Potter, Barry  
PATENT ASSIGNEE(S): ISIS Innovation Ltd., UK; University of Bath  
SOURCE: PCT Int. Appl., 30 pp.  
CODEN: PIXXD2  
DOCUMENT TYPE: Patent  
LANGUAGE: English  
FAMILY ACC. NUM. COUNT: 1

## PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 9843992	A1	19981008	WO 1998-GB921	19980326
W: AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CU, CZ, DE, DK, EE, ES, FI, GB, GE, GH, GM, GW, HU, ID, IL, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, UA, UG, US, UZ, VN, YU, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, RW: GH, GM, KE, LS, MW, SD, SZ, UG, ZW, AT, BE, CH, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA, GN, ML, MR, NE, SN, TD, TG				
AU 9868439	A1	19981022	AU 1998-68439	19980326
PRIORITY APPLN. INFO.:			GB 1997-6424	19970327
			WO 1998-GB921	19980326
OTHER SOURCE(S):		MARPAT 129:276237		
REFERENCE COUNT:		5 THERE ARE 5 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE		

FORMAT

L3 ANSWER 4 OF 6 CAPLUS COPYRIGHT 2002 ACS

AB Intracellular Ca<sup>2+</sup>-signals belong to the major events transducing extracellular signals into living cells. The discovery of (1) a caffeine-sensitive intracellular Ca<sup>2+</sup>-pool in Jurkat T-lymphocytes and (2) cyclic **adenosine** diphosphoribose (cADPR) as an agent that mobilizes Ca<sup>2+</sup> from a caffeine- and ryanodine sensitive Ca<sup>2+</sup>-store in sea urchin egg homogenates prompted the authors to investigate the potential role of this compd. in T-lymphocyte Ca<sup>2+</sup>-signaling. CADPR, as well as its 2'-phosphorylated deriv., 2'-phospho-cADPR (2'-P-cADPR), released Ca<sup>2+</sup> in a dose-dependent, specific manner from intracellular, non-endoplasmic reticular stores of permeabilized Jurkat and HPB.ALL T cells. In addn., attempts were made to prove the presence of endogenous cADPR and 2'-P-cADPR by HPLC. Several HPLC protocols, including microbore-HPLC were tested resulting in the detection of endogenous cADPR by sequential sepn. on strong-anion exchange HPLC and reverse-phase ion-pair HPLC.

ACCESSION NUMBER: 1997:627786 CAPLUS

DOCUMENT NUMBER: 127:292040

TITLE: Ca<sup>2+</sup>-signaling in human T-lymphocytes. Potential roles

for cyclic ADP-ribose and 2'-phospho-cyclic

ADP-ribose

AUTHOR(S): Guse, Andreas H.; Da Silva, Cristina P.; Potter, Barry

V. L.; Mayr, Georg W.

CORPORATE SOURCE: Institut fur Physiologische Chemie, Universitat Hamburg, Abt. fur Enzymchemie, Hamburg, D-20146, Germany

SOURCE: Advances in Experimental Medicine and Biology (1997), 419(ADP-Ribosylation in Animal Tissues), 431-436  
CODEN: AEMBAP; ISSN: 0065-2598

PUBLISHER: Plenum

DOCUMENT TYPE: Journal

LANGUAGE: English

L3 ANSWER 5 OF 6 CAPLUS COPYRIGHT 2002 ACS

AB In eukaryotic cells, pre-tRNAs spliced by a pathway that produces a 3',5'-phosphodiester, 2'-phosphomonoester linkage contain a 2'-phosphate

group adjacent to the tRNA anticodon. This 2'-phosphate is transferred to NAD to give ADP (ADP)-ribose 1'',2''-cyclic phosphate (Appr>p), which is subsequently metabolized to ADP-ribose 1''-phosphate (Appr-1''p). The latter reaction is catalyzed by a cyclic phosphodiesterase (CPDase), previously identified in yeast and wheat. In the work presented here, we describe cloning of the Arabidopsis cDNA encoding the 20-kDa CPDase that hydrolyzes Appr>p to Appr-1''p. Properties of the bacterially overexpressed and purified Arabidopsis enzyme are similar to those of wheat CPDase. In addn. to their transformation of Appr>p, both enzymes hydrolyze nucleoside 2',3'-cyclic phosphates to nucleoside 2'-phosphates. For the Arabidopsis CPDase, the apparent Km values for Appr>p, A>p, C>p, G>p, and U>p are 1.35, 1.34, 2.38, 16.86, and 17.67 mM, resp. Southern anal. indicated that CPDase in Arabidopsis is encoded by a single copy gene that is expressed, at different levels, in all Arabidopsis organs that were analyzed. Indirect immunofluorescence, performed with transfected protoplasts, showed that CPDase is localized in the cytoplasm.

Based on substrate specificity and products generated, the plant enzyme differs from other known cyclic phosphodiesterases. The Arabidopsis CPDase does not have recognizable structural similarity or motifs in common with proteins deposited in public data bases.

ACCESSION NUMBER: 1997:332762 CAPLUS  
DOCUMENT NUMBER: 127:46983  
TITLE: Cloning and characterization of the Arabidopsis cyclic phosphodiesterase which hydrolyzes ADP-ribose 1'',2''-cyclic phosphate and nucleoside 2',3'-cyclic phosphates  
AUTHOR(S): Genschik, Pascal; Hall, Jonathan; Filipowicz, Witold  
CORPORATE SOURCE: Friedrich Miescher-Institut, Basel, 4002, Switz.  
SOURCE: Journal of Biological Chemistry (1997), 272(20), 13211-13219  
CODEN: JBCHA3; ISSN: 0021-9258  
PUBLISHER: American Society for Biochemistry and Molecular Biology  
DOCUMENT TYPE: Journal  
LANGUAGE: English

L3 ANSWER 6 OF 6 CAPLUS COPYRIGHT 2002 ACS

AB Ca2+ release from intracellular stores is one of the major events transducing extracellular signals into living cells. Recently, a metabolite of NAD+, termed cyclic ADP-ribose (cADPr), has been described to release Ca2+ from caffeine-sensitive internal stores of cells. Jurkat T cells possess intracellular Ca2+ stores sensitive to caffeine, so a potential involvement of cADPr in Ca2+ signaling was investigated. cADPr released Ca2+ in a dose-dependent manner from intracellular stores of permeabilized Jurkat T cells. Half maximal release was obtained at 2.25 .mu.M cADPr. Prior addn. of D-myo-inositol 1,4,5-trisphosphate [Ins(1,4,5)P3] or thapsigargin did not influence cADPr-induced Ca2+ release, indicating the presence of different Ca2+ pools sensitive to Ins(1,4,5)P3 and cADPr. The specificity of the response was confirmed using the inhibitors ruthenium red, 8-NH2-cADPr, and 8-Br-cADPr. All 3 compds. blocked cADPr-induced, but not Ins(1,4,5)P3-induced, Ca2+ release in a dose-dependent manner. CGMP-induced Ca2+ release was also partly antagonized by ruthenium red, indicating involvement of a cGMP-dependent step in the formation of cADPr. The presence of endogenous cADPr was analyzed directly by HPLC. Sequential sepn. on strong anion exchange

HPLC and reverse-phase, ion-pair HPLC resulted in a single sym. peak co-eluting

with std. cADPr. The identity of this endogenous material was further confirmed by its ability to release Ca<sup>2+</sup> in saponin-permeabilized Jurkat

T

cells.

ACCESSION NUMBER: 1995:825334 CAPLUS  
DOCUMENT NUMBER: 123:254490  
TITLE: Characterization of cyclic **adenosine**  
diphosphate-ribose-induced Ca<sup>2+</sup> release in T  
lymphocyte cell lines  
AUTHOR(S): Guse, Andreas H.; da Silva, Cristina P.; Emmrich,  
Frank; Ashamu, Gloria A.; Potter, Barry V. L.; Mayr,  
Georg W.  
CORPORATE SOURCE: Inst. Physiol. Chem., Univ. Hamburg, Hamburg, Germany  
SOURCE: Journal of Immunology (1995), 155(7), 3353-9  
CODEN: JOIMA3; ISSN: 0022-1767  
PUBLISHER: American Association of Immunologists  
DOCUMENT TYPE: Journal  
LANGUAGE: English

=> s cyclic(w)ribose  
253165 CYCLIC  
300 CYCLICS  
253285 CYCLIC  
(CYCLIC OR CYCLICS)  
21337 RIBOSE  
146 RIBOSES  
21400 RIBOSE  
(RIBOSE OR RIBOSES)  
L4 2 CYCLIC(W)RIBOSE

=> d l4 abs ibib 1-2

L4 ANSWER 1 OF 2 CAPLUS COPYRIGHT 2002 ACS  
AB An efficient synthesis of cyclic IDP-carbocyclic-ribose and its 8-bromo  
deriv., as stable mimics of cyclic ADP-ribose, was achieved, and a  
condensation reaction with phenylthiophosphate-type substrate to form an  
intramol. pyrophosphate linkage was a key step. This result suggests  
that  
the construction of N-1-substituted hypoxanthine nucleoside structures  
from N-1-(2,4-dinitrophenyl)inosine derivs. and the intramol.  
condensation  
by activation of the phenylthiophosphate group with I2 or AgNO<sub>3</sub>/MS 3A  
combine to provide a very efficient route for the synthesis of analogs of  
cyclic ADP-ribose. Thus, this may be an entry to a general method for  
synthesizing biol. important cyclic nucleotides of this type.

ACCESSION NUMBER: 2000:514117 CAPLUS  
DOCUMENT NUMBER: 133:252651  
TITLE: An Efficient Synthesis of Cyclic IDP- and Cyclic  
8-Bromo-IDP-Carbocyclic-Riboses Using a Modified Hata  
Condensation Method To Form an Intramolecular  
Pyrophosphate Linkage as a Key Step. An Entry to a  
General Method for the Chemical Synthesis of Cyclic  
ADP-Ribose Analogs  
AUTHOR(S): Fukuoka, Masayoshi; Shuto, Satoshi; Minakawa,  
Noriaki;  
Ueno, Yoshihito; Matsuda, Akira  
CORPORATE SOURCE: Graduate School of Pharmaceutical Sciences, Hokkaido  
University, Sapporo, 060-0812, Japan  
SOURCE: Journal of Organic Chemistry (2000), 65(17),  
5238-5248

CODEN: JOCEAH; ISSN: 0022-3263  
PUBLISHER: American Chemical Society  
DOCUMENT TYPE: Journal  
LANGUAGE: English  
OTHER SOURCE(S): CASREACT 133:252651  
REFERENCE COUNT: 43 THERE ARE 43 CITED REFERENCES AVAILABLE FOR  
THIS

RECORD. ALL CITATIONS AVAILABLE IN THE RE

FORMAT

L4 ANSWER 2 OF 2 CAPLUS COPYRIGHT 2002 ACS

AB Angle strain and torsional strain energies were calcd. using the CNDO/2  
LCAO-MO method for various geometrics of dimethyl phosphate monoanion and  
compared with energies for 2',3'-and 3',5'-**cyclic ribose**  
phosphate. While the calcns. fail to identify the source of the strain  
energy in the 3',5'-cyclic six-membered ring nucleotides, they do  
indicate

that a significant portion of the high heat of hydrolysis of the  
five-membered ring is assocd. with relief of torsional strain and that  
preferred torsional conformations of acyclic esters are strongly coupled  
to the RO-P-OR bond angles. This coupling of ester, bond angles, and  
torsional angles is also demonstrated by CNDO calcns. on various  
geometries of trimethyl phosphate. Eclipsing of one of the phosphate  
ester bonds reduces the bond angle between the esterified oxygen atoms by  
ca.5.degree. and eclipsing of both ester bonds further reduces the bond  
angle by another 5.degree.. These predictions of the CNDO calcns. are  
supported by x-ray crystallog. structures of cyclic and acyclic,  
monoanionic, and neutral phosphate esters.

ACCESSION NUMBER: 1976:150888 CAPLUS  
DOCUMENT NUMBER: 84:150888  
TITLE: Conformational study of cyclic and acyclic phosphate  
esters. CNDO/2 calculations of angle strain and  
torsional strain  
AUTHOR(S): Gorenstein, David G.; Kar, Debojyoti; Luxon, Bruce  
A.;  
Momii, Robert K.  
CORPORATE SOURCE: Dep. Chem., Univ. Illinois, Chicago, Ill., USA  
SOURCE: J. Am. Chem. Soc. (1976), 98(7), 1668-73  
CODEN: JACSAT  
DOCUMENT TYPE: Journal  
LANGUAGE: English

=> s ribose and methyl(w)alcohol?

21337 RIBOSE  
146 RIBOSES  
21400 RIBOSE  
(RIBOSE OR RIBOSES)  
757953 METHYL  
593 METHYLS  
758316 METHYL  
(METHYL OR METHYLS)  
812224 ME  
9165 MES  
817718 ME  
(ME OR MES)  
1316607 METHYL  
(METHYL OR ME)  
302072 ALCOHOL?  
505854 ALC  
163845 ALCS



590808 ALC  
(ALC OR ALCS)  
701209 ALCOHOL?  
(ALCOHOL? OR ALC)  
3793 METHYL(W)ALCOHOL?

L5 5 RIBOSE AND METHYL(W)ALCOHOL?

=> d 15 abs ibib 1-5

L5 ANSWER 1 OF 5 CAPLUS COPYRIGHT 2002 ACS

AB A stable emulsion compn. is disclosed which comprises: (A) a metal overbased gelled compn., prepd. by forming a mixt. of (i) a carbonated overbased material in an oleophilic medium, which material contains a metal salt of at least one org. acid material contg. at least 8 carbon atoms, and (ii) an alc. or an alc.-water mixt.; (B) a surfactant; and (C) an aq. liq. The stable emulsion compn. may further comprise at least one of a solute, a suspended solid or an oxidn. inhibitor.

ACCESSION NUMBER: 2000:420762 CAPLUS  
DOCUMENT NUMBER: 133:57984  
TITLE: Stable emulsions from gelled overbased substrates  
with

surfactants and aqueous liquids  
INVENTOR(S): Lawate, Saurabh S.; Sweet, William R.  
PATENT ASSIGNEE(S): The Lubrizol Corporation, USA  
SOURCE: Eur. Pat. Appl., 21 pp.

CODEN: EPXXDW

DOCUMENT TYPE: Patent

LANGUAGE: English

FAMILY ACC. NUM. COUNT: 1

PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
EP 1010460	A2	20000621	EP 1999-310113	19991215
EP 1010460	A3	20010117		
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO				
US 6172122	B1	20010109	US 1998-213855	19981217
AU 9964476	A1	20000622	AU 1999-64476	19991213
BR 9906200	A	20010206	BR 1999-6200	19991215
PRIORITY APPLN. INFO.:			US 1998-213855	A 19981217
OTHER SOURCE(S):	MARPAT 133:57984			

L5 ANSWER 2 OF 5 CAPLUS COPYRIGHT 2002 ACS

AB Indexes such as BOD or COD is currently used to est. water pollution by org. substances in leachate from landfill, and any component has not been characterized in it. In order to study org. substances from mixed refuse and in leachate from landfill for mixed refuse without incineration procedure, org. compds. were examd. Animal- and plant-assocd. amino acids

and fatty acids were detected in refuse pit spill, but not in leachate from landfill for mixed refuse. It is suggested that these are derived from the decompn. of org. components of waste inside landfill. When org. substances in leachate were analyzed by GC/MS, phthalic acid esters, DEHP and DBP (dibutylphthalate), were identified on the basis of their mass spectra.

ACCESSION NUMBER: 1995:138335 CAPLUS  
DOCUMENT NUMBER: 122:38090  
TITLE: Organic substances in leachate from landfill for  
mixed  
refuse

AUTHOR(S): Fukui, Hiroshi; Awaji, Nobuo; Ito, Tomiharu  
CORPORATE SOURCE: Kanagawa Environmental Research Center, Hiratsuka,  
254, Japan  
SOURCE: Haikibutsu Gakkai Ronbunshi (1994), 5(3), 118-25  
CODEN: HGROEE  
DOCUMENT TYPE: Journal  
LANGUAGE: Japanese

L5 ANSWER 3 OF 5 CAPLUS COPYRIGHT 2002 ACS

AB This study was aimed at finding out how bacterial bioluminescence, a trait very sensitive to toxicants, is affected in coastal environs receiving various types of pollutants. Observations on occurrence and distribution of visibly luminous bacteria from polluted and nonpolluted environments were documented during a 7-yr period. While luminous colonies were abundant, often contributing >10% of the total colony-forming units in the pollution-free areas, none of >200 water, sediment, fish, shellfish, and plankton samples from the polluted localities yielded any visibly luminous colony. On analyzing several bacterial strains from the latter environment, it was evident that there were many dark (nonvisibly luminous) strains of the usually luminescent *Photobacterium leiognathi*. Lab. studies on the effect of various chems. on light emission by different luminous species suggested a strong depression (and/or irreversible loss) of luminescence in them. The results suggest that they are useful as biomarkers in the assessment of environmental health.

ACCESSION NUMBER: 1993:633463 CAPLUS  
DOCUMENT NUMBER: 119:233463  
TITLE: Ecological and laboratory studies on the role of luminous bacteria and their luminescence in coastal pollution surveillance  
AUTHOR(S): Ramaiah, N.; Chandramohan, D.  
CORPORATE SOURCE: Natl. Inst. Oceanogr., Goa, 403 004, India  
SOURCE: Marine Pollution Bulletin (1993), 26(4), 190-201  
CODEN: MPNBAZ; ISSN: 0025-326X  
DOCUMENT TYPE: Journal  
LANGUAGE: English

L5 ANSWER 4 OF 5 CAPLUS COPYRIGHT 2002 ACS

AB Alkyl glycoside fatty acid polyesters having .gtoreq.4 fatty acid ester groups being both satd. and unsatd. and having 4-24 C atoms wherein the alkyl glycoside moiety comprises a saccharide and an alkyl portion are suitable for use as a low-cal fat substitute food compn. Low-cal. potato chip produced by frying thin potato slices in Et glycoside frying oil comprising Et glucoside tetraoleate and Et glucoside tetrapalmitate had satisfactory texture.

ACCESSION NUMBER: 1990:54089 CAPLUS  
DOCUMENT NUMBER: 112:54089  
TITLE: Low caloric alkyl glycoside fatty acid polyester fat substitutes  
INVENTOR(S): Meyer, Richard S.; Root, Jeffrey M.; Campbell, Michael  
L.; Winter, Daryl B.  
PATENT ASSIGNEE(S): Curtice-Burns, Inc., USA  
SOURCE: U.S., 7 pp. Cont.-in-part of U.S. Ser. No. 49,625, abandoned.  
CODEN: USXXAM  
DOCUMENT TYPE: Patent  
LANGUAGE: English

FAMILY ACC. NUM. COUNT: 3  
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
US 4840815	A	19890620	US 1987-122188	19871118
US 4840815	B1	19970930		
US 4942054	A	19900717	US 1989-347264	19890503
WO 9203060	A1	19920305	WO 1990-US4769	19900822
W: AU, BG, BR, FI, HU, JP, NO, RO, SU				
RW: AT, BE, CH, DE, DK, ES, FR, GB, IT, LU, NL, SE				
AU 9065476	A1	19920317	AU 1990-65476	19900822
US 5550220	A	19960827	US 1994-359942	19941220
PRIORITY APPLN. INFO.:			US 1987-49625	19870513
			US 1987-122188	19871118
			US 1989-347264	19890503
			US 1989-368675	19890619
			WO 1990-US4769	19900822
			US 1991-770771	19911004
			US 1992-869288	19920415

L5 ANSWER 5 OF 5 CAPLUS COPYRIGHT 2002 ACS  
 AB In cell-free exts. of MeOH-grown *C. boidinii*, hexose phosphate synthetase activity was found. Incubation of this crude ext. with formaldehyde-14C and **ribose** 5-phosphate led to incorporation of radioactivity into fructose and glucose phosphates. Cells grown on glucose lack hexose phosphate synthetase activity. No hydroxypyruvate reductase activity was found. During growth of *C. boidinii* on MeOH, a sugar phosphate pathway similar or identical to the **ribose** phosphate cycle in *C1*-metabolizing bacteria operates.

ACCESSION NUMBER: 1974:487767 CAPLUS  
 DOCUMENT NUMBER: 81:87767  
 TITLE: Microbial assimilation of **methyl alcohol**. Incorporation of formaldehyde into fructose- and glucose phosphates by a cell-free extract of *Candida boidinii*  
 AUTHOR(S): Sahm, Hermann; Wagner, Fritz  
 CORPORATE SOURCE: Tech. Univ., Brunswick, Ger.  
 SOURCE: Arch. Microbiol. (1974), 97(2), 163-8  
 CODEN: AMICW  
 DOCUMENT TYPE: Journal  
 LANGUAGE: German

=> s isopropylidene and adenosine?  
 11922 ISOPROPYLIDENE  
 16 ISOPROPYLIDENES  
 11925 ISOPROPYLIDENE  
 (ISOPROPYLIDENE OR ISOPROPYLIDENES)  
 82933 ADENOSINE?  
 L6 415 ISOPROPYLIDENE AND ADENOSINE?

=> s isopropylidene(w)ribose and adenosine?  
 11922 ISOPROPYLIDENE  
 16 ISOPROPYLIDENES  
 11925 ISOPROPYLIDENE  
 (ISOPROPYLIDENE OR ISOPROPYLIDENES)  
 21337 RIBOSE  
 146 RIBOSES  
 21400 RIBOSE  
 (RIBOSE OR RIBOSES)

7 ISOPROPYLIDENE(W)RIBOSE  
82933 ADENOSINE?  
L7 0 ISOPROPYLIDENE(W)RIBOSE AND ADENOSINE?

=> s cyclic(w)ribose and adenosine?

253165 CYCLIC  
300 CYCLICS  
253285 CYCLIC  
(CYCLIC OR CYCLICS)  
21337 RIBOSE  
146 RIBOSES  
21400 RIBOSE  
(RIBOSE OR RIBOSES)  
2 CYCLIC(W)RIBOSE  
82933 ADENOSINE?  
L8 0 CYCLIC(W)RIBOSE AND ADENOSINE?

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